

## CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

- 1           1.     A support frame for an interactive display comprising:  
2                 a base element;  
3                 at least one support extending vertically from the base element; and  
4                 a positioning element housed within the at least one support, the  
5                 positioning element configured to receive the interactive display, wherein the  
6                 positioning element counterbalances the weight of the interactive display allowing  
7                 vertical repositioning of the interactive display with a force of less than about 25  
8                 pounds.
- 9           2.     The support frame of claim 1, wherein vertical repositioning force ranges  
10           from about 1.0 ounce to about 3 pounds.
- 11          3.     The support frame of claim 1, further comprising a plurality of mobile  
12           elements mounted on the base element.
- 1           4.     The support frame of claim 1, wherein the vertical positioning element  
2           comprises a hydraulic or pneumatic device.
- 1           5.     The support frame of claim 4, wherein the hydraulic or pneumatic device  
2           comprises a gas spring.
- 1           6.     The support frame of claim 1, further comprising an interactive display  
2           mounted thereon.  
3
- 1           7.     The support frame of claim 1, further comprising a plurality of vertical  
2           supports.

1           8.       The support frame of claim 7, wherein at least one horizontal support  
2 connects at least two of the plurality of vertical supports.

1           9.       The support frame of claim 6, wherein the interactive display is selected  
2 from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-  
3 projection display, laser tracking display, sonic tracking display, optical capture display,  
4 television, plasma display, LCDs, and displays which use oil-filled capsules in which  
5 particles of titanium dioxide are suspended.

1           10.      The support frame of claim 1, further comprising a power source secured  
2 to the support frame.

1           11.      The support frame of claim 10, wherein the power source is rechargeable.

1           12.      The support frame of claim 10, wherein the power source comprises a  
2 battery.

1           13.      The support frame of claim 12, wherein the battery is rechargeable.

1           14.      The support frame of claim 11, wherein the power source includes a  
2 recharger.

1           15.      The support frame of claim 10, wherein the power source includes a power  
2 cord for recharging.  
3

4           16.      The support frame of claim 10, wherein the power supply includes a  
5 power level indicator.

6           17.      The support frame of claim 16, wherein the power level indicator is  
7 positioned to be viewed from the front of the support frame.

1           18.    A support frame for an interactive display comprising:  
2                   a base element;  
3                   a support extending vertically from the base element configured to receive  
4   an interactive display; and  
5                   a power source affixed to the support frame for powering the interactive  
6   display.

1           19.    The support frame of claim 18, further comprising a plurality of mobile  
2   elements mounted on the base element.

1           20.    The support frame of claim 18, wherein the support comprises a vertical  
2   positioning element.

1           21.    The support frame of claim 20, wherein the vertical positioning element  
2   provides sufficient force to counterbalance the weight of the interactive display.

1           22.    The support frame of claim 21, wherein a vertical force of less than about  
2   25 pounds repositions the interactive display.

1           23.    The support frame of claim 21, wherein a vertical force of about 1.0 ounce  
2   to about 3 pounds repositions the interactive display.

1           24.    The support frame of claim 21, wherein the vertical positioning element  
2   comprises a hydraulic or pneumatic device.

1           25.    The support frame of claim 18, further comprising an interactive display.

1           26.    The support frame of claim 18, further comprising a plurality of vertical  
2   supports.

1           27.     The support frame of claim 26, wherein at least one horizontal support  
2           connects at least two of the plurality of vertical supports.

1           28.     The support frame of claim 18, wherein the power source is rechargeable.

1           29.     The support frame of claim 18, wherein the power source comprises a  
2           battery.

1           30.     The support frame of claim 29, wherein the battery is rechargeable.

1           31.     The support frame of claim 18, wherein the power source includes a  
2           recharger.

1           32.     The support frame of claim 18, wherein the power source includes a power  
2           cord for recharging.

1           33.     The support frame of claim 25, wherein the interactive display is selected  
2           from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-  
3           projection display, laser tracking display, sonic tracking display, optical capture display,  
4           televisions, plasma display, LCDs, and displays which use oil-filled capsules in which  
5           particles of titanium dioxide are suspended.

1           34.     An interactive display system comprising:  
2                    an interactive display mounted onto a support frame, the support frame  
3           comprising:

4                    a base;

5                    a positioning element extending vertically from the base  
6           configured to receive the interactive display; and

7                    a power source affixed to the base or support for powering the  
8           interactive display.

1           35.     The interactive display system of claim 34, further comprising a plurality  
2     of mobile elements mounted on the base.

1           36.     The interactive display system of claim 34, wherein the positioning  
2     element provides sufficient force to counterbalance the weight of the interactive display  
3     and allow vertical repositioning of the interactive display.

1           37.     The interactive display system of claim 36, wherein the interactive display  
2     is repositioned with less than about 25 pounds of force.

1           38.     The interactive display system of claim 36, wherein the interactive display  
2     is repositioned with about 1.0 ounces to about 3 pounds of force.

1           39.     The interactive display of claim 34, wherein the positioning element  
2     comprises a hydraulic or pneumatic piston.

1           40.     The interactive display of claim 34, wherein the interactive display is  
2     selected from the group consisting of an electronic whiteboard, a touch-sensitive display,  
3     rear-projection display, laser tracking display, sonic tracking display, optical capture  
4     display, televisions, plasma display, LCDs, and displays which use oil-filled capsules in  
5     which particles of titanium dioxide are suspended.

1           41.     The interactive display system of claim 34, further comprising a projector  
2     for projecting an image onto a surface of the interactive display.

1           42.     The interactive display system of claim 41, wherein the surface is a touch-  
2     sensitive surface.

1           43.     The interactive display system of claim 34, further comprising a computer  
2     in communication with the interactive display.

1           44.    The interactive display system of claim 34, wherein the power source is  
2    rechargeable.

1           45.    The interactive display system of claim 34, wherein the power source  
2    comprises a battery.

1           46.    The interactive display system of claim 45, wherein the battery is  
2    rechargeable.

1           47.    The interactive display system of claim 34, wherein the power source  
2    includes a recharger.

1           48.    The interactive display system of claim 34, wherein the power source  
2    includes a power cord for recharging.

1           49.    A support frame for a interactive display comprising:  
2                   a base having positionable first and second arms;  
3                   mobile elements mounted to the first and second arms; and  
4                   a vertically adjustable support extending from the base configured to  
5    receive an interactive display.

1           50.    The support frame of claim 49, wherein the first and second arms of the  
2    base element collapse towards the support.

1           51.    The support frame of claim 49, further comprising a power source  
2    mounted to the support frame.

1           52.    The support frame of claim 51, wherein the power source is rechargeable.

1           53.    The support frame of claim 51, wherein the power source comprises a  
2    battery.

1           54.     The support frame of claim 53, wherein the battery is rechargeable.

1           55.     The support frame of claim 51, wherein the power source includes a  
2     recharger.

1           56.     The support frame of claim 51, wherein the power source includes a power  
2     cord for recharging.

1           57.     The support frame of claim 49, wherein the vertically adjustable support  
2     provides sufficient force to counterbalance the weight of the interactive display and allow  
3     repositioning of the interactive display.

1           58.     The support frame of claim 57, wherein interactive display is repositioned  
2     with less than about 25 pounds of force.

1           59.     The support frame of claim 57, wherein the interactive display is  
2     repositioned with about 1.0 ounce to about 3 pounds of force.

1           60.     The support frame of claim 49, wherein the adjustable vertical support  
2     comprises a hydraulic or pneumatic piston.

1           61.     The support frame of claim 49, wherein the interactive display is selected  
2     from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-  
3     projection display, laser tracking display, sonic tracking display, optical capture display,  
4     televisions, plasma display, LCDs, and displays which use oil-filled capsules in which  
5     particles of titanium dioxide are suspended.

1           62.     An electronic whiteboard system comprising:  
2                   a electronic whiteboard having a wireless communication device, wherein  
3     the electronic whiteboard is mounted on a mobile support frame, the mobile support  
4     frame comprising:

5 a wheeled base element; and  
6 a pneumatic or hydraulic positioning element extending vertically  
7 from the base element configured to receive the electronic whiteboard and provide  
8 sufficient force to counterbalance the weight of the electronic whiteboard to maintain the  
9 electronic whiteboard at a desired vertical position.

1 63. The electronic whiteboard system of claim 62, further comprising a power  
2 source affixed to the support frame for powering the electronic whiteboard.

1 64. The electronic whiteboard system of claim 63, wherein the power source is  
2 rechargeable.

1 65. The electronic whiteboard system of claim 63, wherein the power source  
2 comprises a battery.

1 66. The electronic whiteboard system of claim 65, wherein the battery is  
2 rechargeable.

1 67. The electronic whiteboard system of claim 63, wherein the power source  
2 includes a recharger.



1           68.     The electronic whiteboard system of claim 62, further comprising a  
2 projector for projecting an image on a touch-sensitive surface of the electronic  
3 whiteboard.

1           69.     The electronic whiteboard system of claim 62, wherein the positioning  
2 element is housed within a vertical support.

1           70.     A support stand comprising:  
2                 a base element;  
3                 at least one support extending vertically from the base element; and  
4 a positioning means configured to receive an interactive display, wherein the positioning  
5 means counterbalances the weight of the interactive display allowing vertical  
6 repositioning of the touch-sensitive display with a force of less than about 25 pounds.

1           71.     The support stand of claim 70, wherein the interactive display is selected  
2 from the group consisting of an electronic whiteboard, a touch-sensitive display, rear-  
3 projection display, laser tracking display, sonic tracking display, optical capture display,  
4 televisions, plasma display, LCDs, and displays which use oil-filled capsules in which  
5 particles of titanium dioxide are suspended.

1           72.     The support stand of claim 70, further comprising a rechargeable means  
2 for supplying power to the interactive display.  
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